

**Gregory, Bernarr**

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**From:** PLUS  
**Sent:** Thursday, February 10, 2005 2:07 PM  
**To:** Gregory, Bernarr  
**Subject:** PLUS Results for 10840014

Here are the PLUS search results for 10840014.

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10840014\_QUAL.txt



10840014\_UST.txt



10840014\_WEST.txt



10840014\_EAST.txt



10840014.east



10840014\_CLS.txt



10840014\_CLSTITLES.txt



10840014\_WDS.txt

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PLUS Search Results for S/N 10840014, Searched February 10, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10840014 on February 10, 2005

Original Classifications

12	343/700MS
7	342/25R
4	343/702
4	343/713
4	348/706
3	250/342
3	342/22
3	343/708
3	343/895
3	600/422
2	52/40
2	200/19.4
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2	333/12
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2	430/572
2	455/67.11
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2	600/430
2	607/36
2	607/50

2 715/721

## Cross-Reference Classifications

6 343/895  
5 342/196  
4 250/332  
4 324/318  
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2 333/202  
2 333/206  
2 340/5.61  
2 340/561  
2 340/572.7  
2 340/825.69  
2 342/16  
2 342/17  
2 342/174  
2 342/188  
2 342/189  
2 342/194  
2 342/20  
2 342/25E  
2 342/25F  
2 342/365  
2 342/373  
2 342/379  
2 342/408  
2 342/424  
2 342/44  
2 342/51  
2 343/704  
2 343/722  
2 343/725  
2 343/741  
2 343/750  
2 343/755  
2 343/756  
2 343/767

2 343/772  
2 343/781P  
2 343/788  
2 343/792.5  
2 343/830  
2 343/853  
2 343/861  
2 343/894  
2 348/564  
2 348/569  
2 348/614  
2 348/705  
2 348/724  
2 348/732  
2 374/117  
2 375/232  
2 398/209  
2 399/13  
2 399/90  
2 430/580  
2 430/581  
2 430/585  
2 455/117  
2 455/182.3  
2 455/183.1  
2 455/193.1  
2 455/226.1  
2 455/235.1  
2 455/249.1  
2 455/272  
2 455/276.1  
2 455/282  
2 455/289  
2 455/291  
2 455/297  
2 455/315  
2 455/351  
2 455/352  
2 455/80  
2 600/407  
2 600/410  
2 600/411  
2 600/424  
2 600/430  
2 600/549  
2 607/36  
2 607/50  
2 715/721

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2 725/40  
2 725/44  
2 725/45  
2 725/56

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Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10840014 on February 10, 2005

15 343/700MS (12 OR, 3 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/700MS .Microstrip

9 343/895 (3 OR, 6 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/895 .Spiral or helical type

7 342/25R (7 OR, 0 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/25R SYNTHETIC APERTURE RADAR

6 343/702 (4 OR, 2 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/702 .With radio cabinet

6 343/713 (4 OR, 2 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/711 .With vehicle  
343/713 ..Supported by vehicle body

6 343/795 (2 OR, 4 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/793 .Balanced doublet - centerfed (e.g., dipole)  
343/795 ..Sheet or wing type

5 324/318 (1 OR, 4 XR)

Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/300 PARTICLE PRECESSION RESONANCE  
324/318 .Spectrometer components

5 342/196 (0 OR, 5 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/175 WITH PARTICULAR CIRCUIT  
342/195 .Digital processing  
342/196 ..Fast fourier transform (FFT)

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5 343/909 (2 OR, 3 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/907 .Antenna components  
343/909 ..Refracting means and radio wave energy filters (e.g., lenses and polarizers)

5 348/706 (4 OR, 1 XR)  
Class 348 : TELEVISION  
348/609 ...Reduction of chrominance luminance cross-talk (e.g., precomb)  
348/705 .Switching  
348/706 ..receiver type

4 250/332 (0 OR, 4 XR)  
Class 250 : RADIANT ENERGY  
250/330 INFRARED-TO-VISIBLE IMAGING  
250/332 .Including detector array

4 342/372 (2 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES  
342/350 DIRECTIVE  
342/368 .Including a steerable array  
342/371 ..With electronic scanning  
342/372 ...Controlled

4 343/703 (2 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/703 .Measuring signal energy

4 343/708 (3 OR, 1 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/705 .With aircraft  
343/708 ..Aircraft part of active antenna or vice versa

a

4 343/715 (1 OR, 3 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/711 .With vehicle  
343/713 ..Supported by vehicle body  
343/715 ...Rod type

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4 343/720 (0 OR, 4 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/720 .Combined with diverse-type art device

4 343/771 (2 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/767 .Slot type  
343/770 ..Plural  
343/771 ...With wave guide coupling

4 343/840 (2 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/834 .Antenna with parasitic reflector  
343/840 ..Parabolic-type reflector with active antenna  
at focus

4 343/846 (1 OR, 3 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/846 .With grounding structure (including  
counterpoises)

4 343/915 (2 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/907 .Antenna components  
343/912 ..Reflector or director  
343/915 ...Collapsible, foldable or adjustable

4 399/111 (2 OR, 2 XR)  
Class 399 : ELECTROPHOTOGRAPHY  
399/107 HAVING PARTICULAR STRUCTURE  
399/110 .Modular or displaceable  
399/111 ..Process cartridge unit

4 725/68 (0 OR, 4 XR)  
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS  
725/63 SATELLITE VIDEO DISTRIBUTION SYSTEM  
725/68 .Receiver

3 219/749 (2 OR, 1 XR)  
Class 219 : ELECTRIC HEATING  
219/678 MICROWAVE HEATING  
219/745 .Field modification  
219/746 ..With power feed structure

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219/748 ....Radiator (e.g., antenna, etc.)

219/749 ....Rotating

3 250/342 (3 OR, 0 XR)

Class 250 : RADIANT ENERGY

250/336.1 INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC  
SIGNALLING

250/338.1 .Infrared responsive

250/340 ..Methods

250/342 ...Locating infrared emissive objects

3 333/12 (2 OR, 1 XR)

Class 333 : WAVE TRANSMISSION LINES AND NETWORKS

333/12 TRANSMISSION LINE INDUCTIVE OR RADIATION  
INTERFERENCE REDUCTION SYSTEMS

3 333/185 (0 OR, 3 XR)

Class 333 : WAVE TRANSMISSION LINES AND NETWORKS

333/24R COUPLING NETWORKS

333/167 .Frequency domain filters utilizing only lumped  
d parameters

333/185 ..Having significant physical structure

3 340/539.1 (1 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/500 CONDITION RESPONSIVE INDICATING SYSTEM

340/531 .With particular coupling link

340/539.1 ..Radio

3 342/195 (0 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

342/195 .Digital processing

3 342/22 (3 OR, 0 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/22 TRANSMISSION THROUGH MEDIA OTHER THAN AIR OR  
FREE SPACE

3 342/25A (0 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/25R SYNTHETIC APERTURE RADAR

342/25A .Mapping or imaging using synthetic aperture  
radar

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3 342/352 (1 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/352 . Including a satellite

3 342/359 (2 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/359 . Including antenna orientation

3 342/368 (2 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/368 . Including a steerable array

3 343/705 (0 OR, 3 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/705 .With aircraft

3 343/744 (1 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/741 .High frequency type loops  
343/744 ..With series reactance in loop

3 343/769 (1 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/767 .Slot type  
343/769 ..Ring-shaped slot

3 343/786 (1 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/772 .Wave guide type (e.g., horn)  
343/786 ..With horn

3 343/860 (1 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/850 .With coupling network or impedance in the  
leadin  
343/860 ..Impedance matching network

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3 343/872 (1 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/872 .With housing or protective covering

3 343/873 (2 OR, 1 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/872 .With housing or protective covering  
343/873 ..Antenna embedded, potted, or coated

3 343/876 (0 OR, 3 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/876 .Switching between antennas and lines

3 348/563 (0 OR, 3 XR)  
Class 348 : TELEVISION  
348/553 BASIC RECEIVER WITH ADDITIONAL FUNCTION  
348/563 .For display of additional information

3 430/572 (2 OR, 1 XR)  
Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,  
COMPOSITION, OR PRODUCT THEREOF  
430/495.1 RADIATION SENSITIVE PRODUCT  
430/564 .Silver compound sensitizer containing  
430/570 ..Spectral sensitizing  
430/572 ...Multiple sensitizers or supersensitizing

3 430/574 (1 OR, 2 XR)  
Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,  
COMPOSITION, OR PRODUCT THEREOF  
430/495.1 RADIATION SENSITIVE PRODUCT  
430/564 .Silver compound sensitizer containing  
430/570 ..Spectral sensitizing  
430/572 ...Multiple sensitizers or supersensitizing  
430/574 ....Two or more cyanine sensitizers

3 430/577 (0 OR, 3 XR)  
Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,  
COMPOSITION, OR PRODUCT THEREOF  
430/495.1 RADIATION SENSITIVE PRODUCT  
430/564 .Silver compound sensitizer containing  
430/570 ..Spectral sensitizing  
430/572 ...Multiple sensitizers or supersensitizing  
430/576 ....Cyanine sensitizer  
430/577 .....Merocyanine compound

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3 430/583 (0 OR, 3 XR)  
Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,  
COMPOSITION, OR PRODUCT THEREOF  
430/495.1 RADIATION SENSITIVE PRODUCT  
430/564 .Silver compound sensitizer containing  
430/570 ..Spectral sensitizing  
430/581 ...Cyanine sensitizer  
430/583 ....Containing odd number of methine groups

3 430/584 (0 OR, 3 XR)  
Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,  
COMPOSITION, OR PRODUCT THEREOF  
430/495.1 RADIATION SENSITIVE PRODUCT  
430/564 .Silver compound sensitizer containing  
430/570 ..Spectral sensitizing  
430/581 ...Cyanine sensitizer  
430/583 ....Containing odd number of methine groups  
430/584 .....Five or more methine groups

3 455/277.1 (0 OR, 3 XR)  
Class 455 : TELECOMMUNICATIONS  
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
CONVERTER  
455/269 .With wave collector (e.g., antenna)  
455/272 ..Plural separate collectors  
455/277.1 ...Selectively or alternately connected to  
receiver

3 455/67.11 (2 OR, 1 XR)  
Class 455 : TELECOMMUNICATIONS  
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
455/67.11 .Having measuring, testing, or monitoring of  
system or part

3 600/422 (3 OR, 0 XR)  
Class 600 : SURGERY  
600/300 DIAGNOSTIC TESTING  
600/407 .Detecting nuclear, electromagnetic, or  
ultrasonic radiation  
600/410 ..Magnetic resonance imaging or spectroscopy  
600/421 ...Including any system component contacting  
(internal or external) or conforming to bo  
dy or body part  
600/422 ....Coil

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2 52/40 (2 OR, 0 XR)  
Class 052 : STATIC STRUCTURES  
52/27 INCLUDING COMPONENT (E.G., WALL) DESIGNED TO  
RECEIVE A DISPARATE ARTICLE HAVING DISPARA  
TE ARTICLE

MOUNTED THERETO  
52/40 .On shaft or tower

2 99/DIG 14 (0 OR, 2 XR)  
Class 099 : FOODS AND BEVERAGES: APPARATUS  
99/DIG 14 Induction heating

2 102/214 (1 OR, 1 XR)  
Class 102 : AMMUNITION AND EXPLOSIVES  
102/200 IGNITING DEVICES AND SYSTEMS  
102/206 .Ignition or detonation circuit  
102/211 ..Proximity fuze  
102/214 ...Radio wave

2 123/633 (0 OR, 2 XR)  
Class 123 : INTERNAL-COMBUSTION ENGINES  
123/594 HIGH TENSION IGNITION SYSTEM  
123/633 .Radio interference protection

2 200/19.4 (2 OR, 0 XR)  
Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS  
200/19.01 PERIODIC  
200/19.39 .Distributor  
200/19.4 ..With noise preventing means

2 219/516 (0 OR, 2 XR)  
Class 219 : ELECTRIC HEATING  
219/260 .Resistive element: igniter type  
219/507 .With current connection and/or disconnection  
means (e.g., switch)  
219/509 ..Automatically operated  
219/510 ....Thermally responsive  
219/516 ....Insertable into or in direct contact with  
heated material

2 219/713 (2 OR, 0 XR)  
Class 219 : ELECTRIC HEATING  
219/678 MICROWAVE HEATING  
219/702 .With control system  
219/704 ..Load condition sensor  
219/710 ....Temperature  
219/712 ....Probe  
219/713 .....Wireless type

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2 219/748 (1 OR, 1 XR)  
Class 219 : ELECTRIC HEATING  
219/678 MICROWAVE HEATING  
219/745 .Field modification  
219/746 ..With power feed structure  
219/748 ...Radiator (e.g., antenna, etc.)

2 235/380 (1 OR, 1 XR)  
Class 235 : REGISTERS  
235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS  
235/380 .Credit or identification card systems

2 324/307 (1 OR, 1 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/300 PARTICLE PRECESSION RESONANCE  
324/307 .Using a nuclear resonance spectrometer system

2 324/309 (0 OR, 2 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/300 PARTICLE PRECESSION RESONANCE  
324/307 .Using a nuclear resonance spectrometer system  
324/309 ..To obtain localized resonance within a sample

2 324/322 (0 OR, 2 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/300 PARTICLE PRECESSION RESONANCE  
324/318 .Spectrometer components  
324/322 ..Electronic circuit elements

2 324/72 (0 OR, 2 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/72 TESTING POTENTIAL IN SPECIFIC ENVIRONMENT  
(E.G., LIGHTNING STROKE)

2 324/95 (1 OR, 1 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PERIODICALLY  
R  
324/95 .With waveguide or long line

2 333/1.1 (0 OR, 2 XR)  
Class 333 : WAVE TRANSMISSION LINES AND NETWORKS

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333/1 PLURAL CHANNEL SYSTEMS  
 333/1.1 .Nonreciprocal gyromagnetic type (e.g.,  
 circulators)

2 333/175 (0 OR, 2 XR)  
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS  
 333/24R COUPLING NETWORKS  
 333/167 .Frequency domain filters utilizing only lumped  
 d parameters  
 333/175 ..Resonant, discrete frequency selective type

2 333/202 (0 OR, 2 XR)  
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS  
 333/24R COUPLING NETWORKS  
 333/202 .Wave filters including long line elements

2 333/206 (0 OR, 2 XR)  
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS  
 333/24R COUPLING NETWORKS  
 333/202 .Wave filters including long line elements  
 333/206 ..Coaxial

2 340/5.61 (1 OR, 1 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/825 SELECTIVE  
 340/5.1 .Intelligence comparison for controlling  
 340/5.2 ..Authorization control (e.g., entry into an  
 area)  
 340/5.6 ....Coded record input (e.g., IC card or key)  
 340/5.61 ....Wireless transceiver

2 340/561 (1 OR, 1 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
 340/540 .Specific condition  
 340/541 ..Intrusion detection  
 340/561 ....Disturbance of electric field

2 340/572.7 (0 OR, 2 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
 340/540 .Specific condition  
 340/568.1 ..Article placement or removal (e.g.,  
 anti-theft)  
 340/572.1 ....Detectable device on protected article  
 (e.g., "tag")

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340/572.7 ....Specified antenna structure

2 340/825.69 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/825 SELECTIVE

340/825.57 .Pulse responsive actuation

340/825.62 ..Serial

340/825.69 ...Radio link

2 342/16 (2 OR, 0 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/13 RADAR EW (ELECTRONIC WARFARE)

342/16 .ECCM (Electronic counter-countermeasures,  
i.e., antijamming)

2 342/17 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/13 RADAR EW (ELECTRONIC WARFARE)

342/16 .ECCM (Electronic counter-countermeasures,  
i.e., antijamming)

342/17 ..Radar reacts to jamming

2 342/174 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/165 TESTING OR CALIBRATING OF RADAR SYSTEM

342/173 .By monitoring

342/174 ..Calibrating

2 342/188 (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

342/188 .With polarization

2 342/189 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

342/189 .For correlation

2 342/194 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

342/194 .Complex signal (in phase and quadrature)

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2 342/20 (2 OR, 0 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/13 RADAR EW (ELECTRONIC WARFARE)  
342/20 .Detection of surveillance

2 342/25E (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/25R SYNTHETIC APERTURE RADAR  
342/25A .Mapping or imaging using synthetic aperture  
radar  
342/25E ..With time domain processing of the SAR  
signals in azimuth, e.g. time focusing

2 342/25F (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/25R SYNTHETIC APERTURE RADAR  
342/25A .Mapping or imaging using synthetic aperture  
radar  
342/25F ..Particular SAR processing techniques (e.g.  
squint mode, doppler beam-sharpening mode,  
spotlight mode,  
bistatic SAR, inverse SAR)

2 342/365 (2 OR, 0 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/361 .Including polarized signal communication  
transmitter or receiver  
342/365 ..Circular

2 342/373 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/368 .Including a steerable array  
342/373 ..With a matrix

2 342/379 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/378 .Utilizing correlation techniques  
342/379 ..Side lobe elimination

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2 342/408 (2 OR, 0 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/385 .Beacon or receiver  
342/386 ..With transmission of bearing or position  
determinative signals  
342/407 ...Fixed course or bearing indicating  
342/408 ....Moving beam

2 342/424 (1 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/385 .Beacon or receiver  
342/417 ..Direction-finding receiver only  
342/422 ...With self-orienting antenna pattern  
342/423 ....Plural antennas  
342/424 .....Tracking interferometer

2 342/44 (1 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/42 RADAR TRANSPONDER SYSTEM  
342/44 .Unique identity

2 342/51 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/42 RADAR TRANSPONDER SYSTEM  
342/51 .Radar transponder only

2 343/704 (2 OR, 0 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/704 .With ice clearer or preventer

2 343/722 (2 OR, 0 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/722 .With lumped reactance filter in active antenn

a

2 343/725 (1 OR, 1 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS

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343/725 .Plural separate diverse type

2 343/741 (1 OR, 1 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/741 .High frequency type loops

2 343/750 (2 OR, 0 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/749 .With lumped reactance for loading antenna  
343/750 ..Adjustable reactance

2 343/755 (1 OR, 1 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/753 .With spaced or external radio wave refractor  
              (e.g., lens)  
343/755 ..With reflector

2 343/756 (1 OR, 1 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/756 .With polarization filter or converter

2 343/767 (0 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/767 .Slot type

2 343/772 (0 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/772 .Wave guide type (e.g., horn)

2 343/781P (0 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/772 .Wave guide type (e.g., horn)  
343/781R ..With external reflector or director  
343/781P ...Plural reflectors

2 343/788 (0 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/787 .Including magnetic material  
343/788 ..Loop type

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2 343/792.5 (1 OR, 1 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/792.5 .Logarithmically periodic

2 343/830 (0 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/825 .Fractional, multiple, or full wave length  
linear type  
343/829 ..With grounding structure, including  
counterpoises  
343/830 ...With coaxial feed line

2 343/853 (0 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/850 .With coupling network or impedance in the  
leadin  
343/853 ..With plural antennas

2 343/861 (0 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/850 .With coupling network or impedance in the  
leadin  
343/860 ..Impedance matching network  
343/861 ...Adjustable

2 343/894 (0 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/894 .With signal, indicator or alarm

2 348/564 (0 OR, 2 XR)  
Class 348 : TELEVISION  
348/553 BASIC RECEIVER WITH ADDITIONAL FUNCTION  
348/563 .For display of additional information  
348/564 ..Simultaneously and on same screen (e.g.,  
multiscreen)

2 348/569 (1 OR, 1 XR)  
Class 348 : TELEVISION  
348/553 BASIC RECEIVER WITH ADDITIONAL FUNCTION  
348/563 .For display of additional information  
348/569 ..Receiver indicator (e.g., on screen display)

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2 348/614 (2 OR, 0 XR)  
Class 348 : TELEVISION  
348/571 IMAGE SIGNAL PROCESSING CIRCUITRY SPECIFIC TO  
TELEVISION  
348/607 .Noise or undesired signal reduction  
348/614 ..Ghost elimination (e.g., multipath)

2 348/705 (0 OR, 2 XR)  
Class 348 : TELEVISION  
348/609 ...Reduction of chrominance luminance  
cross-talk (e.g., precomb)  
348/705 .Switching

2 348/724 (1 OR, 1 XR)  
Class 348 : TELEVISION  
348/723 TELEVISION TRANSMITTER CIRCUITRY  
348/724 .Modulator

2 348/732 (2 OR, 0 XR)  
Class 348 : TELEVISION  
348/725 RECEIVER CIRCUITRY  
348/731 .Tuning  
348/732 ..Search tuning

2 374/117 (0 OR, 2 XR)  
Class 374 : THERMAL MEASURING AND TESTING  
374/100 TEMPERATURE MEASUREMENT (E.G., THERMOMETER)  
374/117 .By a vibratory effect (e.g., resonant  
frequency, acoustical)

2 375/232 (1 OR, 1 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/229 EQUALIZERS  
375/230 .Automatic  
375/232 ..Adaptive

2 398/209 (0 OR, 2 XR)  
Class 398 : OPTICAL COMMUNICATIONS  
398/202 RECEIVER  
398/208 .Including postcompensation  
398/209 ..Feedback

2 399/13 (0 OR, 2 XR)  
Class 399 : ELECTROPHOTOGRAPHY  
399/9 DIAGNOSTICS  
399/13 .Component present or mounted

2 399/90 (2 OR, 0 XR)

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Class 399 : ELECTROPHOTOGRAPHY  
399/75 MACHINE OPERATION  
399/90 .Electrical connection

2 430/580 (0 OR, 2 XR)  
Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,  
COMPOSITION, OR PRODUCT THEREOF  
430/495.1 RADIATION SENSITIVE PRODUCT  
430/564 .Silver compound sensitizer containing  
430/570 ..Spectral sensitizing  
430/580 ...Styryl sensitizer

2 430/581 (0 OR, 2 XR)  
Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,  
COMPOSITION, OR PRODUCT THEREOF  
430/495.1 RADIATION SENSITIVE PRODUCT  
430/564 .Silver compound sensitizer containing  
430/570 ..Spectral sensitizing  
430/581 ...Cyanine sensitizer

2 430/585 (0 OR, 2 XR)  
Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,  
COMPOSITION, OR PRODUCT THEREOF  
430/495.1 RADIATION SENSITIVE PRODUCT  
430/564 .Silver compound sensitizer containing  
430/570 ..Spectral sensitizing  
430/581 ...Cyanine sensitizer  
430/583 ....Containing odd number of methine groups  
430/585 .....Three methine groups, i.e., carbocyanines

2 455/117 (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/91 TRANSMITTER  
455/117 .With electrical protection of transmitter  
circuit or operator

2 455/182.3 (1 OR, 1 XR)  
Class 455 : TELECOMMUNICATIONS  
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
CONVERTER  
455/150.1 .Signal selection based on frequency (e.g.,  
tuning)  
455/179.1 ..Channel or station selection  
455/182.3 ...Fine tuning

2 455/183.1 (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS

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455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/150.1 .Signal selection based on frequency (e.g., tuning)

455/179.1 ..Channel or station selection

455/183.1 ...With frequency synthesizer

2 455/193.1 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/150.1 .Signal selection based on frequency (e.g., tuning)

455/193.1 ..With antenna circuit tuning

2 455/226.1 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/226.1 .Measuring or testing of receiver

2 455/235.1 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/230 .Local control of receiver operation

455/232.1 ..Gain control

455/234.1 ...Automatic

455/235.1 ....Forward acting

2 455/249.1 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/230 .Local control of receiver operation

455/232.1 ..Gain control

455/234.1 ...Automatic

455/249.1 ....Variable attenuator type

2 455/272 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/269 .With wave collector (e.g., antenna)

455/272 ..Plural separate collectors

2 455/276.1 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

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455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/269 .With wave collector (e.g., antenna)

455/272 ..Plural separate collectors

455/276.1 ...With phase shifting, correcting, or regulating in the output path of one or more collectors

2 455/282 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/269 .With wave collector (e.g., antenna)

455/280 ..With coupling to a stage of the receiver

455/281 ...Having distributed parameters

455/282 ....Transmission line

2 455/289 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/269 .With wave collector (e.g., antenna)

455/280 ..With coupling to a stage of the receiver

455/289 ...With coupling varying, regulating, or control

2 455/291 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/269 .With wave collector (e.g., antenna)

455/280 ..With coupling to a stage of the receiver

455/291 ...Using active device (e.g., as preamplifier or reactance)

2 455/297 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/296 ..Noise or interference elimination

455/297 ..In vehicle

2 455/315 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/313 ..Frequency modifying or conversion

455/314 ..Plural separate successive conversions

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455/315        ...With plural separate local oscillators

2 455/351        (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/130        RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
                  CONVERTER  
455/347        .Cabinet, housing, or chassis structure  
455/351        ..Transportable

2 455/352        (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/130        RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
                  CONVERTER  
455/352        .Remote control of receiver

2 455/80        (1 OR, 1 XR)  
Class 455 : TELECOMMUNICATIONS  
455/73        TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
                  TRANSCEIVER)  
455/78        .With transmitter-receiver switching or  
                  interaction prevention  
455/79        ..Automatic (e.g., voice operated)  
455/80        ...With distributed parameter coupling

2 600/407        (2 OR, 0 XR)  
Class 600 : SURGERY  
600/300        DIAGNOSTIC TESTING  
600/407        .Detecting nuclear, electromagnetic, or  
                  ultrasonic radiation

2 600/410        (1 OR, 1 XR)  
Class 600 : SURGERY  
600/300        DIAGNOSTIC TESTING  
600/407        .Detecting nuclear, electromagnetic, or  
                  ultrasonic radiation  
600/410        ..Magnetic resonance imaging or spectroscopy

2 600/411        (2 OR, 0 XR)  
Class 600 : SURGERY  
600/300        DIAGNOSTIC TESTING  
600/407        .Detecting nuclear, electromagnetic, or  
                  ultrasonic radiation  
600/410        ..Magnetic resonance imaging or spectroscopy  
600/411        ...Combined with therapeutic or diverse  
                  diagnostic device

2 600/424        (1 OR, 1 XR)

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Class 600 : SURGERY  
600/300 DIAGNOSTIC TESTING  
600/407 . Detecting nuclear, electromagnetic, or  
ultrasonic radiation  
600/424 .. With means for determining position of a  
device placed within a body

2 600/430 (2 OR, 0 XR)  
Class 600 : SURGERY  
600/300 DIAGNOSTIC TESTING  
600/407 . Detecting nuclear, electromagnetic, or  
ultrasonic radiation  
600/430 .. With microwave carrier signal

2 600/549 (0 OR, 2 XR)  
Class 600 : SURGERY  
600/300 DIAGNOSTIC TESTING  
600/549 . Temperature detection

2 607/36 (2 OR, 0 XR)  
Class 607 : SURGERY: LIGHT, THERMAL, AND ELECTRICAL  
APPLICATION  
607/1 LIGHT, THERMAL, AND ELECTRICAL APPLICATION  
607/2 . Electrical therapeutic systems  
607/9 .. Heart rate regulating (e.g., pacing)  
607/36 ... Feature of stimulator housing or  
encapsulation

2 607/50 (2 OR, 0 XR)  
Class 607 : SURGERY: LIGHT, THERMAL, AND ELECTRICAL  
APPLICATION  
607/1 LIGHT, THERMAL, AND ELECTRICAL APPLICATION  
607/2 . Electrical therapeutic systems  
607/50 .. Promoting tissue growth or healing

2 715/721 (2 OR, 0 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
Could not find subclass title.

2 725/40 (0 OR, 2 XR)  
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS  
725/37 OPERATOR INTERFACE  
725/38 . To facilitate tuning or selection of video  
signal  
725/39 .. Electronic program guide  
725/40 ... For displaying additional information

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2 725/44 (0 OR, 2 XR)  
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS  
725/37 OPERATOR INTERFACE  
725/38 .To facilitate tuning or selection of video  
signal  
725/39 ..Electronic program guide  
725/44 ...Content arrangement

2 725/45 (0 OR, 2 XR)  
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS  
725/37 OPERATOR INTERFACE  
725/38 .To facilitate tuning or selection of video  
signal  
725/39 ..Electronic program guide  
725/44 ...Content arrangement  
725/45 ....Based on genre, theme, or category

2 725/56 (1 OR, 1 XR)  
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS  
725/37 OPERATOR INTERFACE  
725/38 .To facilitate tuning or selection of video  
signal  
725/56 ..Channel guide (i.e., channel-specific as  
opposed to program-specific guide)

able 2  
about 1  
above 2  
abstract 1  
access 1  
accessed 1  
accessing 2  
accompanying 1  
accordance 3  
according 20  
accordingly 2  
active 2  
actual 10  
adding 1  
additionally 4  
additions 3  
advantage 4  
advantages 6  
after 1  
aid 1  
ajlpi 1  
ajlpil 1  
all 1  
allow 2  
alpha 2  
alpil 1  
also 1  
alterations 5  
alternatively 1  
amplifiers 1  
amplifying 1  
amplitude 19  
an 57  
and 75  
another 7  
antenna 56  
antennas 19  
any 30  
apparent 2  
appended 2  
applicants 1  
application 21  
are 25  
arranged 1  
array 1  
art 2  
as 43  
associated 2

at 27  
attorney 16  
attorneyis 4  
average 2  
averaged 2  
averaging 2  
back 8  
background 10  
band 6  
bandwidth 2  
be 74  
been 1  
begins 1  
behind 3  
being 2  
best 1  
between 2  
both 6  
brief 1  
building 1  
bus 1  
but 2  
by 26  
calculating 1  
calibration 2  
can 2  
capture 1  
carried 1  
cavity 2  
center 1  
certain 8  
changes 1  
channel 1  
claim 1  
claims 4  
clothing 1  
coaxial 4  
combination 7  
combine 2  
combined 4  
compact 1  
compensate 3  
complete 1  
components 4  
composition 1  
compound 1  
comprise 14  
comprises 1

comprising 2  
computer 2  
computing 14  
configuration 2  
conjunction 1  
considered 1  
constrain 1  
contemplates 1  
continuous 1  
converted 1  
converting 3  
correct 4  
correction 13  
correspond 1  
corresponding 4  
corresponds 5  
coupled 4  
coupling 2  
cover 1  
cubic 1  
daloi 1  
data 3  
date 1  
define 1  
defined 2  
departing 5  
deployed 3  
described 5  
describes 2  
description 4  
descriptions 1  
desirable 1  
detail 1  
detailed 1  
detect 5  
detected 2  
detecting 1  
detects 2  
determine 1  
determined 2  
determining 1  
device 7  
devices 2  
diagram 2  
difference 1  
differences 4  
different 4  
digital 2

digitizer 3  
dimensional 12  
dimensions 2  
direction 1  
disadvantages 1  
disclosed 1  
disclosure 5  
discrete 1  
disk 3  
display 15  
displayed 12  
displaying 1  
displays 1  
distributor 1  
diverse 2  
do 1  
docket 20  
document 4  
does 4  
domain 4  
drawings 5  
drives 4  
due 1  
duration 1  
during 1  
dvd 1  
each 13  
effects 1  
elements 1  
eliminated 1  
embodiment 23  
embodiments 7  
emit 1  
emits 1  
emitted 2  
empty 1  
entry 3  
environment 2  
equal 1  
establish 2  
established 2  
estimated 2  
example 35  
examples 4  
execute 1  
exists 1  
expose 1  
expressed 1

extremely 1  
facilitate 1  
facilitates 1  
fast 4  
features 1  
few 1  
fewer 3  
fiberglass 1  
fidelity 1  
field 3  
fifty 1  
figure 16  
figures 5  
filing 1  
filter 2  
filtering 1  
final 1  
finding 1  
first 1  
five 1  
flat 1  
flowchart 2  
following 4  
for 70  
form 1  
format 2  
fourier 4  
frequency 15  
from 39  
functions 1  
further 1  
gate 1  
general 2  
generally 4  
generate 13  
generated 5  
generates 6  
generating 10  
generator 11  
gigahertz 1  
goggle 1  
greater 1  
ground 1  
hardware 3  
has 5  
have 9  
having 2  
herein 2

hereof 1  
hereto 1  
high 2  
higher 1  
hold 2  
horizontal 1  
horizontally 1  
housing 7  
however 1  
hown 1  
hstep 1  
human 1  
hundred 1  
identified 4  
identify 2  
if 12  
illustrate 2  
illustrated 11  
illustrates 4  
illustrating 4  
image 80  
images 13  
imaging 23  
impinge 1  
improve 2  
impulse 1  
impulsive 3  
in 38  
include 10  
included 1  
includes 12  
incorporated 1  
information 2  
initial 1  
input 1  
instantaneous 1  
instructions 1  
integrated 1  
intend 1  
intensity 1  
interface 5  
interference 7  
interfering 2  
interpreting 1  
invention 14  
inverse 2  
invoke 1  
is 35

issued 1  
it 3  
its 3  
known 2  
larger 1  
least 6  
like 3  
link 1  
living 1  
located 4  
logic 5  
low 4  
machine 1  
made 6  
magnetic 1  
manages 1  
manipulate 1  
manner 2  
map 1  
mapped 1  
material 5  
matrices 9  
matrix 35  
matter 1  
may 125  
means 1  
meant 1  
measurements 4  
media 1  
megahertz 1  
member 2  
memory 8  
metallic 4  
method 13  
methods 2  
microseconds 1  
mode 5  
modifications 3  
module 1  
modules 2  
more 17  
moreover 1  
moving 16  
multi 3  
multiple 1  
multiplied 1  
multiply 1  
multiplying 2

nanoseconds 1  
narrow 6  
needs 1  
next 3  
nine 1  
no 22  
noise 2  
non 2  
none 1  
not 8  
note 1  
now 1  
number 3  
numerals 1  
ob 1  
object 27  
objects 4  
obstruction 9  
of 118  
office 1  
omissions 3  
on 4  
one 29  
only 12  
operable 4  
operate 3  
operates 1  
operation 1  
operations 5  
option 1  
or 51  
order 3  
organism 1  
orientations 2  
other 16  
out 2  
output 1  
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paragraph 1  
parameter 1  
parameters 2  
particular 3  
parts 1  
pass 3  
passes 1  
passive 3  
patent 23  
path 1

peaks 2  
percent 1  
perform 5  
performed 4  
period 2  
periodic 1  
periods 2  
permutations 4  
person 1  
perspective 1  
physical 4  
pi 27  
picosecond 1  
placement 1  
planar 1  
plurality 1  
plus 1  
point 40  
points 11  
polarization 2  
polarize 1  
polarized 2  
portions 1  
ports 1  
position 1  
positions 2  
possible 1  
power 3  
preceding 7  
present 5  
presented 3  
previous 1  
problems 1  
procedure 3  
proceeds 5  
processes 1  
processor 10  
processors 1  
programmable 1  
provide 3  
provided 1  
proximate 1  
ps 4  
pulse 2  
pulses 2  
purposes 1  
ra 2  
racjklpi 1

racklps 1  
radar 4  
radio 11  
ram 1  
random 1  
range 14  
rate 2  
ratio 1  
re 1  
read 1  
readers 1  
readily 1  
receive 32  
received 13  
receiver 2  
receives 5  
receiving 1  
reconstruction 1  
record 2  
records 2  
reduce 5  
reduced 1  
refer 2  
reference 6  
referring 2  
refers 13  
reflect 2  
reflected 11  
region 5  
relates 1  
relative 2  
removable 1  
remove 2  
removed 1  
removing 1  
repeated 2  
repetition 2  
represent 5  
representing 1  
required 1  
respectively 2  
resulting 1  
retrieval 2  
return 1  
rf 1  
rise 1  
rk 10  
rklpi 3

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rom 1  
rotated 1  
round 27  
rtt 2  
rttipi 1  
rttjklpi 5  
rttlpi 3  
rttxlpil 1  
rttzlpil 1  
satisfy 1  
scale 2  
scaled 1  
scope 6  
screen 2  
seconds 1  
select 3  
selected 10  
send 1  
sends 2  
sent 1  
separate 1  
separated 2  
serves 1  
set 2  
seventy 1  
several 1  
shape 1  
short 1  
shown 2  
side 1  
signal 14  
signals 47  
single 1  
size 1  
skilled 2  
smaller 1  
snr 1  
software 3  
some 4  
source 4  
space 21  
specific 1  
specifically 1  
spirit 1  
stage 1  
stationary 15  
step 19  
steps 2

storage 2  
store 1  
stored 1  
stores 1  
structure 2  
subset 5  
substitutions 1  
subtract 4  
subtracted 2  
successive 8  
such 21  
suitable 25  
summary 1  
suppress 1  
suppressed 4  
surface 1  
system 54  
systems 1  
taken 1  
takes 4  
targeted 1  
targets 25  
technical 9  
techniques 1  
term 3  
terminates 1  
terms 1  
than 4  
that 35  
the 205  
them 1  
then 6  
there 6  
they 1  
thirty 1  
this 9  
those 1  
three 13  
threshold 1  
through 8  
time 34  
times 10  
tj 8  
to 135  
together 4  
towards 3  
tp 1  
transform 4

transmit 23  
transmits 3  
transmitted 5  
transmitter 1  
transmitting 1  
travel 7  
trip 27  
tuple 1  
twenty 1  
two 4  
types 1  
typical 1  
ultra 5  
understanding 1  
understood 1  
unless 1  
updated 1  
used 24  
using 12  
utilizing 1  
value 22  
values 19  
various 1  
vertical 1  
vertically 1  
video 1  
view 2  
virtual 3  
volt 1  
wall 2  
wave 4  
waveform 36  
waveforms 26  
waves 1  
weapon 1  
where 2  
which 11  
while 1  
wide 1  
wideband 4  
will 1  
windowed 2  
wish 1  
with 14  
within 1  
without 5  
words 1  
written 3

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xi 1  
yet 3  
yi 1  
yield 4  
zeroed 1  
zi 1